

10234 U.S. PTO
50/91/6022388 U.S. PTO
06/16/03
22116 U.S. PTO
06/16/03

UTILITY PATENT
APPLICATION TRANSMITTAL
(Only for new nonprovisional applications
under 37 CFR 1.53(b))

Check Box, if applicable [] Duplicate

Attorney Docket No. 031171 Total Pages

First Named Inventor or Application Identifier

Hiroji EBE, Yoshiaki NAKATA, Mitsuru SUGAWARA,
Takashi KITA, Osamu WADA and Yasuhiko ARAKAWA

Express Mail Label No.

APPLICATION ELEMENTS For:
QUANTUM OPTICAL SEMICONDUCTOR DEVICEADDRESS TO: Commissioner for Patents
MAIL STOP PATENT APPLICATIONS
P.O. Box 1450
Alexandria, VA 22313-1450

1. [XX] Fee Transmittal Form (Incorporated within this form) (**The filing fee is deferred**).
2. [XX] Specification Total Pages [31]
3. [XX] Drawing(s) (35 USC 113) Total Sheets [12]
4. [] Oath or Declaration Total Pages []
NOT attached; deferred under P.L. 97-247.
 - a. [] Newly executed (original)
 - b. [] Copy from prior application (37 CFR 1.63(d)
(for continuation/divisional with Box 17 completed).
 - i. [] Deletion of Inventor(s)
Signed statement attached deleting inventor(s) named in prior application,
see 37 CFR 1.63(d)(2) and 1.33(b).
5. [] Incorporation by reference (useable if box 4b is checked)
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
6. [] Microfiche Computer Program (Appendix)
7. [] Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
 - a. [] Computer Readable Copy
 - b. [] Paper Copy (identical to computer copy)
 - c. [] Statement Verifying identity of above copies
8. [] Assignment to FUJITSU LIMITED, Kawasaki, Japan.
Please publish the assignee data with the application.
9. [] 37 CFR 3.73(b) Statement (when there is an assignee) [] Power of Attorney

ACCOMPANYING APPLICATION PARTS

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10. English translation Document (if applicable)

11. Information Disclosure Statement Copy of IDS Citations (4 references) and PTO-1449

12. Preliminary Amendment

13. Return Receipt Postcard (MPEP 503)

14. Small Entity Status is claimed.

15. Claim for Convention Priority Certified copy of Priority Document is enclosed
 a. Priority of Japanese application no. 2002-273178 filed on September 19, 2002 is claimed under 35 USC 119.

16. Other _____

17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:
 Continuation Division Continuation-in-part (CIP) of prior application no _____.

FEE TRANSMITTAL The filing fee is calculated below	Number Filed	Number Extra	Rate	Basic Fee \$ 750.00
Total Claims	19 - 20		x \$18.00	
Independent Claims	3 - 3		x \$84.00	
Multiple Dependent Claims			\$280.00	
			Filing Fee	\$750.00
Reduction by 1/2 for small entity				
Fee for recording Assignment			\$40.00	\$ 40.00
TOTAL				\$790.00

XX NO FEE ENCLOSED. THE FILING FEE IS DEFERRED.

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PAGE 3 OF 3	

A check in the amount of \$ _____ is enclosed to cover the filing fee of \$ _____ and the assignment recordation fee of \$ _____.

Please charge our Deposit Account No. **01-2340** in the total amount of _____ to cover the filing fee and the _____ assignment recordation fee. A duplicate of this sheet is attached.

The Commissioner is hereby authorized to charge payment for any additional filing fees required under 37 CFR 1.16 or credit any overpayment to Deposit Account No. **01-2340**.

18. CORRESPONDENCE ADDRESS:

ARMSTRONG, WESTERMAN & HATTORI, LLP
Suite 1000, 1725 K Street, N.W.
Washington, D. C. 20006
Tel: (202) 659-2930
Fax: (202) 887-0357



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PATENT TRADEMARK OFFICE

Typed or Printed Name Donald W. Hanson Reg. No. 27,133

Signature

Date: September 16, 2003

DWH:jaz